

SEQUENCE LISTING

Sub B 10

<110> The Government of the United States of America as

<120> VARIANTS OF HUMANIZED ANTI-CARCINOMA MONOCLONAL
ANTIBODY CC49

<130> 11613.32WO01

<140> PCT/US99/25552

<141> 1999-10-29

<150> 60/106,534

<151> 1998-10-31

<150> 60/106,757

<151> 1998-11-02

<160> 44

<170> PatentIn Ver. 2.0

<210> 1

<211> 17

<212> PRT

<213> Mus musculus

<400> 1

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Ala

<210> 2

<211> 7

<212> PRT

<213> Mus musculus

<400> 2

Trp	Ala	Ser	Ala	Arg	Glu	Ser
1				5		

<210> 3

<211> 9

<212> PRT

<213> Mus musculus

<400> 3

Gln Gln Tyr Tyr Ser Tyr Pro Leu Thr
1 5

<210> 4

<211> 5

<212> PRT

<213> Mus musculus

<400> 4

Asp His Ala Ile His
1 5

<210> 5

<211> 17

<212> PRT

<213> Mus musculus

<400> 5

Tyr Phe Ser Pro Gly Asn Asp Asp Phe Lys Tyr Asn Glu Arg Phe Lys
1 5 10 15

Gly

<210> 6

<211> 6

<212> PRT

<213> Mus musculus

<400> 6

Ser Leu Asn Met Ala Tyr
1 5

<210> 7

<211> 17

<212> PRT

<213> Homo sapiens

<400> 7

Lys Ser Ser Gln Ser Val Leu Tyr Ser Ser Asn Ser Lys Asn Tyr Leu
1 5 10 15

Ala

<210> 8
<211> 7
<212> PRT
<213> Homo sapiens

<400> 8
Trp Ala Ser Thr Arg Glu Ser
1 5

<210> 9
<211> 9
<212> PRT
<213> Homo sapiens

<400> 9
Gln Gln Tyr Tyr Ser Thr Pro Tyr Ser
1 5

<210> 10
<211> 5
<212> PRT
<213> Homo sapiens

<400> 10
Ser Tyr Ala Met His
1 5

<210> 11
<211> 17
<212> PRT
<213> Homo sapiens

<400> 11
Trp Ile Asn Ala Gly Asn Gly Asn Thr Lys Asn Ser Gln Lys Phe Gln
1 5 10 15

Gly


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1           5           10           15
Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp His
      20                      25                      30
Ala Ile His Trp Val Lys Gln Asn Pro Gly Gln Arg Leu Glu Trp Ile
      35                      40                      45
Gly Tyr Phe Ser Pro Gly Asn Asp Asp Phe Lys Tyr Asn Glu Arg Phe
      50                      55                      60
Lys Gly Lys Ala Thr Leu Thr Ala Asp Thr Ser Ala Ser Thr Ala Tyr
      65                      70                      75                      80
Val Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
      85                      90                      95
Thr Arg Ser Leu Asn Met Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr
      100                      105                      110
Val Ser Ser
      115

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<210> 15
<211> 124
<212> DNA
<213> Mus musculus
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<400> 15
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gggaccctgt gccggtcctt gagtgcgcggc ctgacgtggt cgacctggac cctcacgtga 120
cgtg                                         124
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<210> 16
<211> 123
<212> DNA
<213> Mus musculus
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<400> 16
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gacgtttcgt tcgccgatgt ggaagtgaga gatatcgctt ttagtcttcc cagggacacg 120
gcc                                              123
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<210> 17
<211> 126
<212> DNA
<213> Mus musculus
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<212> DNA

<213> Mus musculus

<400> 22

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<210> 23

<211> 19

<212> DNA

<213> Artificial

<400> 23

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<210> 24

<211> 19

<212> DNA

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<400> 24

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<210> 25

<211> 20

<212> DNA

<213> Artificial

<400> 25

gcaagcttcc accatggata 20

<210> 26

<211> 20

<212> DNA

<213> Artificial

<400> 26

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<210> 27

<211> 42

<212> DNA

<213> Artificial

<400> 27

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<210> 28
<211> 45
<212> DNA
<213> Artificial

<400> 28
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<210> 29
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<212> DNA
<213> Artificial

<400> 29
gccacggccg aatgtgtagg gatagctata atactgctga ca 42

<210> 30
<211> 39
<212> DNA
<213> Artificial

<400> 30
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<210> 31
<211> 37
<212> DNA
<213> Artificial

<400> 31
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<210> 32
<211> 56
<212> DNA
<213> Artificial

<400> 32
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<210> 33
<211> 23
<212> PRT
<213> Homo sapiens

<400> 33
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Glu Arg Ala Thr Ile Asn Cys
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<210> 34
<211> 15
<212> PRT
<213> Homo sapiens

<400> 34
Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr
1 5 10 15

<210> 35
<211> 32
<212> PRT
<213> Homo sapiens

<400> 35
Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys
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<210> 36
<211> 10
<212> PRT
<213> Homo sapiens

<400> 36
Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
1 5 10

<210> 37
<211> 30
<212> PRT
<213> Homo sapiens

<400> 37
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

1 5 10 15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr
 20 25 30

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<210> 38
<211> 14
<212> PRT
<213> Homo sapiens
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<400> 38
Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met Gly
  1             5             10
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<210> 39
<211> 32
<212> PRT
<213> Homo sapiens
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<400> 39
Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr Met Glu
1 5 10 15

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

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<210> 40
<211> 11
<212> PRT
<213> Homo sapiens
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<400> 40
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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<210> 41
<211> 423
<212> DNA
<213> Mus musculus
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<400> 41

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cgagaggggtg actctgaatt gcaagtcagc cagtcacctg tctatagcgg aaatcagaag 180
aactatctcg cctggtatca gcagaaacca gggcagagcc ctaaactgct gatttactgg 240
gcatccgcta gggaatccgg cgtgcctgat cgcttcagcg gcagcggatc tgggacagac 300
ttcactctga caatcagcag cgtgcaggca gaagacgtgg cagtctatta ttgtcagcag 360
tattatagct atccccctcac attcggcgct ggcaccaagc tggaaactgaa acggggcccgcg 420
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<210> 42

<211> 424

<212> DNA

<213> Mus musculus

<400> 42

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gaagtctgtc ccagatccgc tgccgctgaa gcgatcaggc acgccggatt ccctagcggg 180
tgcccagtaa atcagcagtt tagggctctg ccctggtttc tgctgatacc aggcgagata 240
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ctcgcgccagg gacacggcca gggagtctgg agactggctc atcacgatgt cgccgcagt 360
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ttgc 424

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<210> 43

<211> 434

<212> DNA

<213> Mus musculus

<400> 43

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cgtgaagatt tcctgcaagg caagcggcta caccttact ctctatagcg gaaatcagaa 180
gaaacagaat cctggacagc gcctggagtg gattggatat ttctctcccg gaaacgatga 240
ttttaagtac aatgagaggt tcaagggcaa ggccacactg actgcagaca catctgccag 300
cactgcctac gtggagctct ccagcctgag atccgaggat actgcagtgt acttctgcac 360
aagatccctg aatatggcct actgggggaca gggaaccctg gtcaccgtct ccagcgccaa 420
aactacgggc ccat 434

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<210> 44

<211> 434

<212> DNA

<213> Mus musculus

<400> 44

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atgggcccgt agttttggcg ctggagacgg tgaccagggg tccctgtccc cagtagggcca 60
tattcagggg tcttgtgcag aagtacactg cagtatcctc ggatctcagg ctggagagct 120
ccacgtaggc agtgctggca gatgtgtctg cagtcagtgt ggccttgccc ttgaacctct 180

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